

**List: Books, Papers, Videos,
Slide films, JIS, etc.
(Dr. Ishikawa's Bibliography)**

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Alphabetical letter next to the literature number means which language the paper/book was written in for the publication. For example, E signifies that the paper was written in English.

Ch: Chinese, **Cz:** Czech Republic, **F:** French,
It: Italian, **K:** Korean, **Pl:** Polish, **R:** Russian

Otherwise the publication is written in Japanese.

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(5) National and International Standards (which Professor Kaoru Ishikawa was involved in establishment/revision)

Note: All the thesis belong JIS unless otherwise specified.

1) Japanese Industrial Standards (JIS)

1. [1] to [36] are standards for which the Japanese Standards Association formed the draft production committee and Professor Ishikawa was either head of the

Divisional Council of Standards or member of the draft development subcommittee.

2. Standards for which the Union of Japanese Scientists and Engineers formed the draft development committee and for which Professor Ishikawa was chairman (marked with ♠).
3. Standards for which the Japanese Iron & Steel Federation formed the draft development committee and for which Professor Ishikawa was chairman (marked with ♣).
4. Standards not classified in the three above, for which Professor Ishikawa was chairman (marked with ♥).

- [S1] Z 8101 Glossary of terms used in quality control (Established in 1956, revised in 1981).
- [S2] Z 8115 Glossary of terms used in reliability (Established in 1970, revised in 1981).
- [S3] Z 8121 Glossary of terms used in operations research (Established in 1967).
- [S4] Z 8402 General rules for permissible tolerance of chemical analyses and physical tests (Established in 1974).
- [S5] Z 9001 General rules for sampling inspection procedures (ISO 3319) (Established in 1953, revised in 1980).
- [S6] Z 9002 Single sampling inspection plans having desired operating characteristics Part 1. Sampling by attributes. (Established in 1953, revised in 1956).
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- [S10] Z 9009 Sequential sampling plans for inspection by attributes (Established in 1962).
- [S11] Z 9010 Sequential sampling inspection plans for percent defectives having desired operating characteristics by variables (standard deviation known) (Established in 1962, revised in 1979).
- [S12] Z 9011 Single sampling inspection plans by attributes with adjustment (Established in 1963).

- [S13] Z 9015 Sampling inspection procedures and tables by attributes with severity adjustment (receiving inspection where a consumer can select suppliers) (ISO 2859, IEC 410) (Established in 1971, revised in 1980).
- [S14] Z 9021 The Control Chart Method (Established in 1954).
- [S15] Z 9022 Median control chart (Established in 1959).
- [S16] Z 9023 $\bar{x}$ control chart (Established in 1959, revised in 1963).
- [S17] Z 9031 Random sampling methods (Established in 1956).
- [S18] Z 9041 Presentation and reduction of data (ISO 2602) (Established in 1968).
- [S19] Z 9042 Significance test of difference between the population mean and the standard (standard deviation known, one-sided) (ISO 2854) (Established in 1962).
- [S20] Z 9043 Significance test of difference between the population mean and the standard (standard deviation known, two-sided) (ISO 2854) (Established in 1962).
- [S21] Z 9044 Significance test of difference between the population mean and the standard (standard deviation unknown, one-sided) (ISO 2854) (Established in 1962).
- [S22] Z 9045 Significance test of difference between the population mean and the standard (standard deviation unknown, two-sided) (ISO 2854) (Established in 1962).
- [S23] Z 9046 Significance test of difference between the two population means (standard deviations known, one-sided) (ISO 2854) (Established in 1962, revised in 1965).
- [S24] Z 9047 Significance test of difference between the two population means (standard deviations known, two-sided) (ISO 2854) (Established in 1962, revised in 1979).
- [S25] Z 9048 Significance test of difference between the two population means (standard deviations unknown, one-sided) (ISO 2854) (Established in 1962, revised in 1979).
- [S26] Z 9049 Significance test of difference between the two population means (standard deviations unknown, two-sided) (ISO 2854) (Established in 1962, revised in 1965).
- [S27] Z 9050 Interval estimation of the population mean (standard deviation known) (ISO 2854) (Established in 1963).
- [S28] Z 9051 Interval estimation of the population mean (standard deviation unknown) (ISO 2602, ISO 2854) (Established in 1963).

- [S29] Z 9052 Interval estimation of the difference between two population means (standard deviations known) (ISO 2854) (Established in 1963).
- [S30] Z 9053 Interval estimation of the difference between two population means (standard deviations unknown) (ISO 2854) (Established in 1963).
- [S31] Z 9054 Significance test of equality of the population variance and the standard (one-sided) (ISO 2854) (Established in 1966).
- [S32] Z 9055 Significance test of equality of the population variance and the standard (two-sided) (ISO 2854) (Established in 1966).
- [S33] Z 9056 Significance test of equality of the two population variances (one-sided) (ISO 2854) (Established in 1966, revised in 1979).
- [S34] Z 9057 Significance test of equality of the two population variances (two-sided) (ISO 2854) (Established in 1966).
- [S35] Z 9058 Interval estimation of the population variance (ISO 2854) (Established in 1966).
- [S36] Z 9059 Interval estimation of the population variance ratio (ISO 2854) (Established in 1966, revised in 1979).

Sampling

- ♥[S37] G 1501 General rules for sampling of ferroalloys (Established in 1962, revised in 1985) [Japan Ferroalloy Association].
- ♥[S38] K 0060 Sampling method of industrial wastes (Established in 1976) [Japan Environmental Sanitation Center].
- ♥[S39] K 1051 Methods of sampling and analysis for common salt (Established in 1963) [Union of Japanese Scientists and Engineers/Japan Soda Industry Association].
- ♠[S40] M 8081 Methods for sampling and determination of moisture content of cement copper (Established in 1970).
- ♠[S41] M 8082 Method of sampling and methods of determination of copper content and moisture of copper scraps for smelting (Established in 1973, revised in 1976).
- ♠[S42] M 8083 Methods for sampling of non-ferrous flotation concentrates in bulk (Established in 1976, revised in 1984).
- ♠[S43] M 8100 Particulate materials - General rules for methods of sampling (ISO 3085, ISO 3086) (Established in 1965, revised in 1984).

- ♠[S44] M 8101 Methods for sampling, preparation and determination of moisture content of non-ferrous metal bearing ores (Established in 1951, revised in 1988).
- ♠[S45] M 8102 Methods of sampling blister copper and method of determining of moisture (Established in 1952, revised in 1961, 1973 and 1976).
- ♠[S46] M 8104 Method for sampling of crude bullion (Established in 1952, revised in 1977).
- ♣[S47] M 8105 Methods of sampling, size determination and moisture determination of iron ores (Established in 1961, revised in 1966, 1970 and 1976, withdrawn in 1985→M 8701, M 8702 and M 8703).
- ♠[S48] M 8107 Method of sampling iron pyrites and sulfur ores (Established in 1959).
- ♥[S49] M 8108 Methods for sampling, moisture determination and size determination of chromium ores, manganese ores and ferruginous manganese ores (ISO 4299) (Established in 1962, revised in 1970 and 1982) [Japan Ferroalloy Association].
- ♥[S50] M 8109 Method for sampling and method of determination of moisture content of garnierite nickel ores (Established in 1965, revised in 1974) [Japan Ferroalloy Association].
- ♥[S51] M 8110 Method for sampling of bauxite ores (Established in 1965, revised in 1975) [Light Metal Smelting Society of Japan].
- ♣[S52] M 8710 Methods of sampling, size determination, moisture determination and physical characteristics determination of iron ore pellets (Established in 1970, revised in 1976, withdrawn in 1985→M 8701, M 8702, M 8703, M 8705 and M 8706).
- ♥[S53] M 8801 Methods for testing of coal (ISO 335, ISO 349, ISO 501, ISO 540 and ISO 1953) (Established in 1951, revised in 1972, 1977 and 1979) [Fuel Society of Japan].
- ♠[S54] M 8803 Methods for Determination of moisture-holding capacity of coal (ISO 1018) (Established in 1972, revised in 1976).
- ♠[S55] M 8810 General rules on sampling, analysis and testing of coal and coke (ISO 1170) (Established in 1959, revised in 1972, 1976 and 1984).
- ♠[S56] M 8811 Methods for sampling and determination of total moisture and adherent moisture of coal and coke (ISO 579, ISO 589, ISO 1015 and ISO 5068) (Established in 1959, revised in 1973 and 1976).

- ♠[S57] M 8812 Method for proximate analysis of coal and coke (ISO 331, ISO 348, ISO 562, ISO 687 and ISO 1171) (Established in 1959, revised in 1972, 1976 and 1984).
- ♠[S58] M 8813 Method for ultimate analysis of coal and coke (ISO 332 to ISO 334, ISO 351, ISO 352, ISO 609, ISO 622, ISO 625, ISO 925 and ISO 1994) (Established in 1959, revised in 1973, 1976 and 1988).
- ♠[S59] M 8814 Determination of calorific value of coal and coke (ISO 1928) (Established in 1959, revised in 1972, 1976 and 1985).
- ♠[S60] M 8815 Methods for analysis of coal ash and coke ash (ISO/R 622) (Established in 1973, revised in 1976).
- ♠[S61] M 8817 Methods for determination of forms of sulfur in coal (ISO 157) (Established in 1984).
- ♠[S62] M 8818 Method for determination of mineral matter in coal (ISO 602) (Established in 1986).

(2) ISO Standards

- [S63] ISO 3081 Iron ores— Manual sampling method (Current JIS M 8701).
- [S64] ISO 3082 Iron ores —Mechanical sampling method and sample preparation method (Current JIS M 8702).
- [S65] ISO 3083 Iron ores — Manual method of Preparation of samples (Current JIS M 8703).
- [S66] ISO 3084 Iron ores - Experimental methods for evaluation of quality variation
- [S67] ISO 3085 Iron ores — Experimental methods for checking the precision of sampling (JIS M 8100).
- [S68] ISO 3086 Iron ores — Experimental methods for checking the bias of sampling (Corresponding to annex).
- [S69] ISO 3087 Iron ores — Determination of moisture content (Current JIS M 8705).

Note: The numbers omitted are those that have been deleted after redundancy was found in the editing stage. The list is based on the list of presentations and papers that are Professor Kaoru Ishikawa's legacy. Please note that the volume number, page, etc., are not fully confirmed. The same applies for overseas publications related to the professor, due in part to language problems. Still, they have been featured according to Professor Ishikawa's bibliography.